

Model 1730A Six-Channel RTD Temperature Transmitter and Clamp-on Collar Assembly



How to order: (Quick-ship range/option combinations available. See Web site.)
Enter the product order code. For example:

1730A
Order code

Order codes

1730A Model 1730A six-channel RTD temperature transmitter and clamp-on collar assembly

The module support ring is an Aluminum housing that consists of two pieces forming a circle around the shaft. The housing adds about 2.5 in around the shaft. It is attached to the shaft in a proprietary bolt pattern. For 1700 systems.

Specifications

Electrical

Sensor input 6 RTD, 100 ohm platinum
Measurement range -25 °C to 165 °C [-4 °F to 329 °F] or 20 °C to 600 °C [68 °F to 1112 °F] preselected
Measurement accuracy ±2 °C
Induction input power 160 kHz
RF operating frequency 10.7 MHz

Mechanical

Dimensions 101,6 mm x 160,02 mm x 60,96 mm [4 in x 6.3 in x 2.4 in]

Motor shaft diameter	Bolt on transmitter outside diameter	Stationary antenna loop diameter
4.701 in to 6.700 in	376,86 mm [10.90 in]	263,65 mm [10.38 in]
7.500 in to 9.500 in	347,98 mm [13.70 in]	334,77 mm [13.18 in]
10.000 in to 12.000 in	411,48 mm [16.20 in]	398,27 mm [15.68 in]

Model 1731A Six-Channel RTD Temperature Transmitter and Strap-on Collar Assembly



How to order: (Quick-ship range/option combinations available. See Web site.)
Enter the product order code. For example:

1731A
Order code

Order codes

1731A Model 1730A six-channel RTD temperature transmitter and strap-on collar assembly

The module support ring is a metal band clamp (strap-on collar) and a counter balance assembly. The transmitter is enclosed in a NEMA 4 enclosure that is held by the band clamp. These are secured to the shaft by tightening t-bolt nuts to predefined torque levels. For 1701 systems.

Specifications

Environmental

Operating temperature range 0 °C to 85 °C [32 °F to 185 °F]

Electrical

Sensor input 6 RTD, 100 ohm platinum
Measurement range -25 °C to 165 °C [-4 °F to 329 °F] or 20 °C to 600 °C [68 °F to 1112 °F] preselected
Measurement accuracy ±0.5 °C typical
Induction input power 160 kHz
RF operating frequency 10.7 MHz

Mechanical

Weight 2.5 kg [6 lb]